

SBIR 2005 PH II By Topic

TOPIC	COMPANY	TITLE
A01-146	Carlyle Consulting	Nondestructive Testing for Service Life Prediction of Reinforced Concrete Structures
A02-021	Metal Storm, Inc	Metal Storm Crowd Control System
A02-057	EMAG Technologies, Inc.	Hybridized Full Wave - Asymptotic Electromagnetic (EM) Computational Engine for Antenna Computer Aided Design (CAD)
A02-072	Aegis Technology	Light Weight Material for Ballistic Armor
A02-230	JADI, Inc	Unified Intelligent Motion Planning and Control Scheme for Omni-Directional Vehicles
A03-001	Information Systems Technologies, Inc.	A joint Feature Extraction and Data Compression Method For Low Bit Rate Transmission In Distributed Acoustic Sensor Environments
A03-017	Toyon Research Corp.	Agents In Decision Aiding Systems (AIDA System)
A03-028	ASPEN PRODUCTS GROUP, INC.	Compact Fuel Processor for 2 kW Solid Oxide Fuel Cell
A03-036	Micro Analysis and Design, Inc.	Human Behavior Architecture Interface for Integrated Cognitive and Task Performance Model Development
A03-038	Remcom Inc.	True Time Delay Multiple Beam Antenna System Design Tool
A03-045	2Phase Technologies, Inc.	Depot and Field-deployable Reconfigurable Tooling Systems for Repair, Replacement, Prototyping and Low-Rate Production of Composite Parts
A03-047	Brimrose Corporation of America	Long Wave Infrared Acousto-Optic Materials: Development of Novel Materials for the Fabrication of LWIR (8-12 micron) Acousto-optic Tunable Filters for Imaging Applications
A03-048	Fibertek, Inc.	Ultra-Compact Doppler LIDAR (Light Detection and Ranging) for Unmanned Aerial/Ground Vehicles
A03-053	Seacoast Science, Inc	Detection of Drugs/Narcotics and Processing Components Using
A03-064	Boulder Nonlinear Systems, Inc.	A Liquid-Crystal on Silicon Infrared Scene Projector
A03-073	MATERIALS TECHNOLOGIES CORPORATION	SMART DAMPER FOR HELICOPTER MAIN ROTORS
A03-074	Impact Technologies, LLC	A Comprehensive Health and Usage Monitoring System (HUMS) for Unmanned Aerial Vehicles
A03-083	CG2, Inc., a Quantum3D Company	Military 3-D Visualization Utilizing Gaming Technology
A03-107	Coherent Technologies, Inc.	Landmine Detection
A03-111	Arete Associates	Near infrared streak tube imaging lidar receiver
A03-113	OPNET Technologies	Terrain Aware Network Planning Tools
A03-130	NovaWave Technologies	Real-time, Ultrasensitive Water Supply System Biosensor
A03-132	BlazeTech Corp.	Modeling and Simulation of Chemical and Biological Agents in Potable Water Systems
A03-142	NextGen Aeronautics	Advanced Structural Optimization Using Genetic Algorithm and Neural Network
A03-145	Military Systems Technologies, LLC	Particulate Impact/Erosion Phenomena and Materials Failure for Supersonic KVs
A03-149	Propulsion Research Inc.	A Throttling Solid Propellant Rocket Motor with Adaptive Thrust Control
A03-150	Hittite Microwave Corporation	High Speed X-Band Single Pole 4 Throw Switch
A03-154	Orbital Technologies Corporation (ORBITEC)	Constant Mixture Expulsion Tank System (COMET)
A03-156	Intelligent Automation, Inc.	UWB Muscle Water Content Sensor
A03-169	Precision Control Design, Inc.	Programmable Wrist-Worn Prediction Model and Environmental Stress Monitor

A03-172	Luna Innovations Incorporated	Isolation of Focal Adhesion Kinase-specific Modulators
A03-179	M Cubed Technologies, Inc.	Durable, High Performance Personnel Armor Plates for Current and Next Generation Threats
A03-181	ventana research	Self-Decontaminating Barrier Material Incorporating Catalytically Reactive Membranes for Individual and Collective Protection on a Chemically/Biologically Contaminated Battlefield
A03-199	Materials & Electrochemical Research (MER) Corp.	FMG Cryolite/Composite Structure for Improved Hazardous Chemical Handling
A03-202	Innalabs Inc.	High-Precision, Expendable, Six Degree-of-Freedom Sensor
A03-205	TerraSim, Inc	Software Tools for Modeling Urban Details
A03-207	Collide Inc	Multi-Resolution Representations and Simulation of Large Terrain Models
A03-225	Composites Research & Advanced Materials, Inc.	Computational Modeling of Nanocomposite Structures
A03-231	Milow Ltd.	Develop New Innovative Filtration Designs and Components for Improved Service Life, Performance and Durability
A03-232	Makel Engineering, Inc.	Point of Use Oil Quality Analysis
A03-237	Global Embedded Technologies, Inc.	Heavy Duty Vehicles Cold Starting System
A04-004	Physical Optics Corporation	Self-Powered Incapacitator
A04-005	The Haleakala Research & Development Inc.	Two Nested Plasma Antennas and Two Stacked Plasma Antenna Arrays at VHF/UHF and HF/VHF Antenna Arrays at VHF/UHF and HF/VHF
A04-005	Astron Wireless Technologies, Inc.	Adaptive Bandwidth High Power RF Antenna
A04-006	Engineered Coatings, Inc.	Thick PVD Cermet and Graded DLC Coatings for Lubrication-Free Weapon Parts
A04-008	MaxPower, Inc.	Long Storage Life Active Battery
A04-010	Mechanical Solutions, Inc.	Innovative Wall Penetration Munition
A04-011	Technical Solutions, Inc.	Innovative Intelligent Agent and Cognitive Decision Aids Component Technology
A04-011	Sentar, Inc.	Logistics Agent-based Algorithm Test-bed (LAAT)
A04-011	CHI Systems, Inc.	Common Technical/Tactical Fire Control Interface (CT2FC)
A04-011	DECISIVE ANALYTICS Corporation	Innovative Intelligent Agent and Cognitive Decision Aids Component Technology
A04-011	Robotics Research Corporation	Innovative Intelligent Agent and Cognitive Decision Aids Component Technology
A04-011	Charles River Analytics Inc.	Architecture for Decision-Aid Development and Deployment (AD3)
A04-011	American GNC Corporation	Wireless Wide Area Networked Precision Geolocation for Combat Decision Aids System
A04-011	Scientific Systems Company, Inc	Localization of Land-Mobile Communication Transmitters
A04-011	Cybernet Systems Corporation	Modular Agent-Based Component Architecture
A04-011	ProLogic, Inc	Innovative Intelligent Agent and Cognitive Decision Aids Component Technology
A04-013	Materials & Electrochemical Research (MER) Corp.	Corrosion Resistant Squeeze Cast Net Shape Magnesium Composite Components
A04-015	Science and Technology Corporation	Development of a Person-Portable GPS-Mounted Internet-Ready Explosive Sensor
A04-018	Physical Optics Corporation	Real-Time Stereoscopic Catadioptric Omni-Detection System
A04-020	Texas Research Institute Austin, Inc.	Rapidly Emplaced Devices to Attach Sensors/Demolitions to Structures

A04-021	Space Hardware Optimization Technology, Inc.	On-Board Recorder for Data Acquisition During Firing and Flight of Projectiles
A04-022	Skiametrics, Inc.	The X-ray Mega-Volt X-Ray Digital Imaging Inspection System
A04-023	Morgan Research Corporation	Microsystems Technology (MST) for Fuzing in Low-Spin/Low-G Launch Environment
A04-024	Physical Optics Corporation	Scanning Second-Order Holographic Laser Acoustic System
A04-025	Stream Processors, Inc.	High-Performance DSP Development Platform for Real-time Multi-mode Remote Sensing Applications
A04-026	Physical Sciences Inc.	An Innovative Confined Space Blast Wave Measurement System
A04-029	Drasgow Consulting Group LLC	Computer-Adaptive Assessment of Temperament to Support Personnel Selection and Classification Decisions
A04-030	Aptima, Inc.	Shared Understanding Across Levels of Command
A04-032	Aptima, Inc.	New Technologies for Growing Leaders: Assessment of Wisdom
A04-033	Kent Displays Incorporated	Self Powered Cholesteric Reflective Flexible Displays
A04-035	EOSPACE Inc	Photonic Multi-Channel Transmit/Receive Integrated Phase and Amplitude Controller
A04-037	Aptima, Inc.	PERSUADE: PERSonnel-based Unit of Action Design Environment
A04-038	Applied Perception, Inc.	Soldier Universal Robot Controller
A04-040	Advanced Technologies Group, Inc.	A Non-Contacting, Compliant Seal for Improved Turbine Engine Performance
A04-041	General Sciences, Incorporated	Multipurpose Reactive Materials
A04-043	Knowledge Based Systems, Inc.	Manpower and Personnel Estimation Methods for Post-Deployment Software Maintenance
A04-044	Eclipse Energy Systems, Inc.	Flexible Transparent Conducting Films
A04-046	Materials & Electrochemical Research (MER) Corp.	Sialon for Monolithic Ceramic Gun Barrel Liners
A04-046	Materials & Electrochemical Research (MER) Corp.	Silicon Nitride Based Ceramic Tubes for Gun Barrel Applications
A04-047	Simmetrix, Inc.	The Multiscale Simulation Application Suite
A04-048	SVT Associates, Inc.	AlInGaN-based Transistors for Advanced Applications
A04-048	Sensor Electronic Technology, Inc.	InGaN-Channel Heterostructure Field Effect Transistor With Double Recessed Gate for Improved RF Performance
A04-049	Quintessence Photonics Corporation	Spectrally Tailored High Efficiency Long Wave Pumps for Eye-Safe Solid-State Lasers
A04-050	Amsen Technologies LLC	Composite Proton Exchange Membranes for Multifunctional Power Generating Structures
A04-052	Ceramatec, Inc.	Sodium-Air Batteries Based on Sodium Super-Ionic Conducting Electrolyte
A04-053	Brookhaven Technology Group, Inc.	Controllable Direct Electrical Conversion of Isotopic Radiation
A04-055	Charles River Analytics Inc.	Situation Understanding and Reasoning Evaluation (SURE) Toolkit
A04-057	Envimetrics	LIBS Sensitivity Enhancement by Microwave Plasma Spectroscopy
A04-059	Diversified Technologies, Inc.	Macro-Fiber-Composite Power Module
A04-060	Ocean Systems Engineering Corporation (OSEC)	IMPROVISED EXPLOSIVE DEVICES (IED) NEUTRALIZATION AND DETECTION (INDET)
A04-061	Intelligent Automation, Inc.	Novel Approaches to Stochastic Pursuit-Evasion Differential Games with multiple players
A04-061	Impact Technologies, LLC	Stochastic Pursuit-Evasion Differential Games for Autonomous Vehicles

A04-063	Ciphergen Biosystems, Inc.	Identification and Characterization of Molecular Inhibitors of Cognitive Performance
A04-064	Intelligent Automation, Inc.	Agent Based Distributed and Cooperative Intrusion Detection for Mobile Ad Hoc Networks
A04-065	IPITEK	Innovative Hosts for Bacteriorhodopsin-Based Optical Memory
A04-068	SVT Associates, Inc.	ZnO Based Light Emitters for UV/Blue Applications
A04-068	ZN Technology, Inc.	ZnO UV-Blue Light Emitters on High Quality ZnO
A04-068	Cermet, Inc.	ZnO Based Light Emitters for UV/Blue Applications
A04-069	Reveo, Inc.	Compact Alkaline Fuel Cell System
A04-069	Lynntech, Inc.	Direct Ammonia-Borane Alkaline Fuel Cell with In Situ Electrolyte Replacement
A04-070	Physical Optics Corporation	Standoff LIBS Element Detection Sensor
A04-070	Spectral Imaging Laboratory	High Sensitivity Standoff LIBS Technology
A04-071	MOLECULAR EXPRESS, INC.	Repair, Regeneration, and Differentiation in Humans
A04-072	Coherent Technologies, Inc.	Low-Cost Portable Lidar Wind Profiler
A04-075	Continuum Dynamics, Inc.	A Hybrid Optical/GPS System for UAV Formation Flight Control
A04-076	Physical Sciences Inc.	Imaging Sensor Constellation for Tomographic Chemical Plume Mapping
A04-077	Sentient Corporation	Prognostic Wear Prediction Tool for BlackHawk Hanger Bearings
A04-078	Anacapa Sciences, Inc.	Obstacle Display for Hover in Degraded Visual Environments
A04-081	Soar Technology, Inc.	Automated Air Traffic Control (ATC)
A04-082	Domzalski Machine	Advanced Flow Control Actuators for Fuselage Drag Reduction
A04-085	Continuum Dynamics, Inc.	Advanced Rotorcraft Brownout Aerodynamic Analysis and Flight Simulation
A04-086	Techno-Sciences, Inc.	Single Crystal Piezoelectric Actuators for Rotorcraft
A04-086	Invercon, LLC	Novel, High-Authority Flap Actuation Concepts using Single Crystal Stacks
A04-087	Research Applications, Inc.	Improved Models for Coated CMC Components with Severe Thermal Gradients
A04-089	Advanced Rotorcraft Technology, Inc.	Ducted Fan Model for Real-Time Rotorcraft Flight Simulation
A04-091	METSS Corporation	Crashworthy Ballistic Tolerant Fuel Tank Weight Reduction
A04-092	Charles River Analytics Inc.	Multimodal Interface Toolkit for UAV Systems (MITUS)
A04-094	Intelligent Systems Technology, Inc.	AgileTecture™: A Methodology and Toolkit for Agile Design and Dynamic Reconfiguration of C4ISR Architectures
A04-096	Intelligent Automation, Inc.	DEC-POMDP Stochastic Game Approach for Uncertain MultiAgent Systems
A04-096	Soar Technology, Inc.	Robotic Command and Control Intelligent Enablers
A04-097	Physical Optics Corporation	Self-Mixing Interferometric Speedometer
A04-098	INFINIA CORPORATION	Power The Force: Future Force Power Systems- Critical Enabler for Army Transformation
A04-098	Peregrine Power LLC	Power Conversion Using Silicon Carbide
A04-100	Charles River Analytics Inc.	Mobile Agent Network Topology and Routing Adaptation (MANTRA)
A04-102	Universal Display Corporation	Full Color, Flexible, Day/Nighttime Displays for Mobile Battle Command Environments
A04-105	Versatile Information Systems, Inc.	A Situation Development Architecture and its Relation to a New Fusion Process Model
A04-106	NetworkFab Corporation	Integrated Wideband Signal Intelligence (SIGINT) Sensor

A04-108	Charles River Analytics Inc.	Building Interfaces for Operator-in-the-Loop Data Fusion (BIFOLD)
A04-112	Technology Service Corporation	Ultra-Lightweight Moving Target Indicator (MTI) Radar for Unattended Ground Sensors (UGS) and Organic Aerial Vehicles (OAV)
A04-115	Oceanit Laboratories, Inc.	Mobile Sensor Systems for Intelligence Collection Using Doppler Shifting of Existing Communication Technology
A04-116	Sensors Unlimited, Inc.	A 1920x1080 Pixel Visible and Shortwave Infrared Focal Plane Array and Camera for Night Vision Imaging
A04-118	Brimrose Corporation of America	Acoustic Landmine Detection: INTERFEROMETER-LESS PULSED LASER VIBROMETER FOR LANDMINE DETECTION
A04-119	Amethyst Research Incorporated	Passivation of Dislocation Defects by Hydrogenation for High Performance Longwave Infrared (LWIR) HgCdTe on Silicon
A04-119	EPIR Technologies Inc	High Performance Longwave Infrared (LWIR) HgCdTe on Silicon
A04-120	Wavefront Research, Inc.	HIGH PERFORMANCE COMPACT LIGHTWEIGHT LWIR HYPERSPECTRAL IMAGER
A04-123	Physical Optics Corporation	Viewbox Enhanced Wave-Guided Helmet Mounted Display Visor Optics
A04-125	Charles River Analytics Inc.	Non-uniform Correction Algorithm Suite (NUCAS)
A04-126	SET Associates Corporation	Shape and Motion Encoded Methods for Automatic/Assisted Recognition of Human Intent in IR Images
A04-127	San Diego Research Center, Incorporated	Versatile Modeling and Simulation Tool for Directional Networked Communications Systems
A04-128	jjw consulting,inc.	High Efficiency Monolithic Microwave Integrated Circuit (MMIC) Power Amplifiers For SATCOM
A04-131	Remcom Inc.	Radio Frequency Communications for Unattended Ground Sensor and Munitions Systems
A04-131	MegaWave Corporation	RF (Radio Frequency) Communications for Unattended Ground Sensor and Munition Systems
A04-132	Scalable Network Technologies Inc	Scalable, Multi-Paradigm Modeling Framework for accurate analysis of large, next generation networks
A04-133	HYPRES. Inc.	Ultrafast digital switch matrix for programmable routing and distribution of digitized RF signals
A04-134	Millitech LLC	Multi-Band Satellite Terminal Feed Development
A04-135	Kutta Consulting, Inc.	Subterranean Communications for First Responders and the Military
A04-136	Architecture Technology Corporation	STAMINA (Survivable Tactical Ad hoc Mobile Network Architectures)
A04-138	JEM Engineering, LLC	Survivable Ballistic Antenna Radome
A04-139	CFD Research Corporation	A Novel, Bio-inspired Advanced Microfluidic Power System (BioAMPS)
A04-140	NanoDynamics, Inc. (NDI)	Low-Cost Carbon Nanotubes for Infrared Obscurants
A04-141	South Bay Science and Technology Corp	Ultra-Compact Carbon Dioxide Laser For Chemical Sensor
A04-142	Redondo Optics, Inc.	Airborne Fluorescence Lifetime Imaging System for Remote Sensing of Chemical
A04-143	Nova Engineering, Inc.	Self Calibrating, Self Locating Seismic-Acoustic Sensor System
A04-145	Milcord LLC	Course-of-Action Forecasting
A04-146	NovaWave Technologies	Real-Time Single Particle Bioaerosol Detector
A04-147	MicroEnergy Technologies Inc.	Capture and Kill MicroStructured Oriented Fiber (MOF) Filter
A04-148	RH Lyon Corp	Remote Acoustical Reconstruction of Cave and Pipe Geometries
A04-149	Lynntech, Inc.	Covert Engineering Techniques Using Electrokinetic Technology
A04-151	Insightful Corporation	GeoText

A04-152	Physical Optics Corporation	Soil Texture Classification Imaging System
A04-153	ADA Technologies, Inc.	System for Tactical Display of Miniature Smart Sensors
A04-154	Propagation Research Associates	Feasibility Demonstration for the Precision Pulse Positioning System (3PS)
A04-155	Phase IV Systems, Inc.	Low Cost Adaptive/Programmable Waveform Generator
A04-156	Stone Engineering Company	On-Demand Gas Generator with Real-Time, Open-Loop Control System for Gel Propulsion
A04-157	Surmet Corporation	Protective Coating for ZnS Windows & Domes
A04-158	Analatom Incorporated	Unmanned Air Vehicles Diagnostics/Prognostics
A04-159	Coherent Technologies, Inc.	Variable-Resolution Compact 3D Range Imaging Ladar
A04-161	Opto-Knowledge Systems, Inc. (OKSI)	Piezo Torquer Mechanism for Seeker Gimbal Cost Reduction
A04-162	Physical Optics Corporation	GPU Intensive Modular Cluster Rendering for Hardware In-the-Loop Sensor Simulation
A04-163	Acellent Technologies, Inc.	Autonomous Self-powered (ASP) Structural Health Monitoring system
A04-164	Aginova Inc	In-situ Smart Corrosion Sensors for Army Missile Systems
A04-166	Charles River Analytics Inc.	Evaluation Testbed for ATD/T Performance Prediction (ETAPP)
A04-167	Polaris Sensor Technologies, Inc.	Low Cost Semi Active Laser Seeker
A04-168	Spectral Sciences, Inc.	FASPEC-Fast Adaptive Spectrometer Programmable for the Evaluation of Combustion
A04-169	NVE Corp. (formerly Nonvolatile Electronics, Inc.)	Magnetic Anti-tamper Sensor
A04-170	CeraNova Corporation	Consolidation of Nanograin Ceramics
A04-171	Materials Sciences Corporation	High Strength Nanomaterials Fiber for Lightweight Composite Missile Cases (MSC P5019)
A04-173	Combustion Research and Flow Technology, Inc.	Alternate Scramjet Fuel Modeling and Evaluation
A04-174	GHKN Engineering, LLC	An Integrated Thrust Control Solution
A04-175	Sporian Microsystems, Inc.	A Highly Integrated Multifunctional Optical Sensor for Monitoring Weapons Health
A04-176	Optechnology, Inc.	Strategically Tuned Absolutely Resilient Structures
A04-177	InBios International	Field Deployable Diagnostic Test for Active Cutaneous Leishmania and a Test for Latent Infection
A04-179	Siloam Biosciences LLC	A Handheld Monitoring System For Biomarkers Of Response From Blood
A04-182	Forterra Systems, Inc.	Medical Simulation Training for First Response to Chemical, Biological, Radiological, Nuclear Events
A04-182	SIMmersion LLC	Medical Simulation Training for First Response to Chemical, Biological, Radiological, Nuclear Events
A04-184	Payload Systems Inc.	Hemorrhage Control for Non-Compressible Extremity Injuries
A04-185	Inflexxion, Inc.	Our Strength in Families (OSiF): A Web-based Interactive Coping Skill and Resiliency Program for Military Families
A04-187	Nomadics, Inc.	Nanoparticle Self-Lighting Photodynamic Therapy For Ovarian Cancer Treatment
A04-190	Luna Innovations Incorporated	Novel Antimicrobial Nanocomposite Bone Graft Material Phase II
A04-191	Physical Optics Corporation	Waveguided Holographic Infrared Soldier-Mounted Eye Tracker
A04-192	ANP Technologies, Inc.	Novel Protein Nanodelivery Systems for Biological Agent Countermeasures
A04-193	SimQuest International LLC	Simulation-Based Open Surgery Training System (SOSTS)
A04-193	Touch of Life Technologies	Simulation-Based Open Surgery Training System (SOSTS)

A04-195	SAFE, Inc.	A Modular, Lightweight, Removable Ballistic Protection System for Aviation Helmets
A04-198	Sun BioMedical Technologies	High-Throughput Proteomics Strategy for Detection and Identification of Biomarkers of Malaria Exposure
A04-199	Sound Innovations Inc	An Active Noise Reduction Communication Earplug for Helicopter Crew
A04-200	Computational Diagnostics, Inc.	Volume Conduction Invasive Medical Data Communication System
A04-201	Advanced Sensor Technologies, Inc.	Novel Routes of Drug Administration to Enhance Compliance in Soldiers
A04-203	Coherent Technologies, Inc.	Compact, Low Cost, Real-Time Lidar Wind Sensor
A04-204	EIC Laboratories, Inc.	High Performance Rechargeable Li-ion Conformal Battery
A04-205	MAK Technologies	Smart Terrain for Autonomous Agent Applications
A04-206	Luna Innovations Incorporated	Enhancement of Fluorescence in Protease Assays for Biowarfare Toxins
A04-209	Ocean Nanotech, LLC	Fabrication of Azobenzene Mesoporous Films with Large Photoanisotropy for Laser Eye and Sensor Protection
A04-210	SunDanzer Development Incorporated	Solar Refrigeration
A04-210	Mainstream Engineering Corporation	Demonstration of an Integrated Solar-Powered Multi-Temperature Refrigerated Container System
A04-211	Community Power Corporation	Onsite Field-Feeding Waste to Energy Converter
A04-213	KiteShip Corporation	Low Drag, Low Cost Suspension Line Technology for Parachutes
A04-214	Space Hardware Optimization Technology, Inc.	High Efficiency Shelter Lighting Utilizing Solid State Illumination Technology
A04-215	Physical Optics Corporation	Self-Healing Textile-Based Autonomous Reconfigurable Network
A04-216	RallyPoint, Inc.	Computer Input Devices and Embedded Sensors in Future Warrior Handwear (Gloves)
A04-218	Radiance Technologies Inc.	Enhanced Lethality Munitions for Army Applications
A04-219	Missile Systems & Technologies, Inc	Advanced Guidance, Navigation and Control (GNC) Algorithm Development to Enhance the Lethality of Interceptors Against Maneuvering Targets
A04-220	Polaris Sensor Technologies, Inc.	Passive, Active Stokes Polarization Imaging System
A04-221	Loki, Incorporated	High Power Microwaves
A04-221	HEM Technologies	High Power Microwaves
A04-223	Research Network Inc	Distributed and Collaborative Information Environment for Embedded After Action Review Technologies
A04-225	Falcon Systems Engineering Corporation	High-Fidelity Multi-Spectral Targets for Gunnery Training
A04-226	Soar Technology, Inc.	Intelligent Agents for Real-Time Story Adaptation for Training Assessment
A04-230	Physical Optics Corporation	Organically Modified Sol-Gel Nanocomposite for Lightweight Optically Clear Armor Protection
A04-231	MKP Structural Design Associates, Inc.	A Novel Concept of Lightweight Composite Armor for Ballistic Protection of Tactical Vehicles
A04-231	Foam Matrix Inc.	Composite Structures for Ballistic Protection
A04-232	Bossa Nova Technologies	Fast rotatable and variable ceramic programmable waveplate for visible and NIR polarization imaging
A04-232	Polaris Sensor Technologies, Inc.	Polarimetric Sensors for Robotic Vehicle Perception
A04-232	I Technology Applications	Spectral and Polarization Imager for Ground Vehicle Applications
A04-233	Mid Michigan Research	Development of a Robust MEMs Based Micro Technology Engine Management and Health Monitoring System

A04-235	M3TECHCENTER, LLC	MEMS Testing Simulator
A04-236	Luna Innovations Incorporated	Mobile Parts Hospital NDE/Materials Characterization Checkout Center
A04-237	Reaction Engineering International	A Software Framework for Blast Event Simulation
A04-238	Advanced Science and Automation Corp.	Coupled Multibody Dynamics and Computational Fluid Dynamics Simulation of Liquid Sloshing for Tanker Vehicles
A04-239	Realtime Technologies, Inc.	Multi-Resolution Modeling of Ground Platform Dynamic Performance and Mobility
A04-240	APECOR	Compact, High-Power, High-Voltage, Bidirectional DC-DC Converter
A04-241	Electrodynamics Associates, Inc.	Compact, Efficient Electric Propulsion Motor for Multiple Applications
A04-242	Translume	Filter with integrated condition monitoring sensor
A04-242	Greenlees Filter, LLC	Active Acoustic Cleaning System for Wheeled and Tracked Vehicles' Engine Intake Filters
A04-244	MillenWorks	Advanced Suspension Characterization Test Fixture
A04-245	TDA Research, Inc.	Novel Adsorbents for Desulfurization of High Sulfur Battlefield Fuels
A04-247	TES International LLC	Complex Electronics Packaging Thermal/Signature Management Design Tool
A04-249	AeroVironment Inc.	Advanced Military Hybrid Technology
A04-250	Adiabatics, Inc.	Development of Endurable Thermal Barrier Coatings for Diesel Engine Specific Heat Reduction
A04-250	Analytical Engineering Inc.	Development of Endurable Thermal Barrier Coatings for Diesel Engine Specific Heat Reduction
A04-251	Power of Design	HRC™ Modular Generic Converter
A04-252	Quantum Applied Science and Research Inc.	Hands-Free Electromyographic Control of a UGV
A04-252	Think-A-Move	A Hands-Free Human/Robot Interface for Soldiers in the Field Based on Aural Flow Monitoring
A04-254	Surfaces Research and Applications, Incorporated	Preservative/Break-in Lubricating Oil
A04-255	TIAX LLC	Assured Operational Mobility Across Gaps for the Future Combat Systems/Future Force) FCS/FF
A04-256	VISCA, LLC	Multi-Power Source for MEMS Packaging
A04-257	MTS Technologies	Advanced Military Trailer Technology
A04-259	Infoscitex Corporation	Clean Burning Gasifier to Produce Tar-Free Gas for Internal Combustion Engines
CBD03-102	Physical Sciences Inc.	AOTF Based Imaging Sensor for Enhanced Stand-off Chemical Detection
CBD03-106	Protein Sciences Corporation	Improved Protein Manufacturing in Insect Expression Systems
CBD03-106	Chesapeake PERL, Inc.	Improved Protein Manufacturing in Insect Expression Systems
CBD04-105	Bioren	Automated Rational Design of Antibodies
CBD04-106	Microchip Biotechnologies	NanoBioSentinel System
MDA 03-060	Cognitive Concepts	Model-Based Specification and Testing for Rapid Software Transition
MDA02-048	Tanner Research, Inc.	Mass Fabricated Tunable Optical Filtering for Micro Miniature Multi-Mode and Hyperspectral Sensors
N03-077	Modus Operandi, Inc.	SE-Wave Threat Driven Deployment for Army C4ISR
N04-120	Front Edge Technology, Inc.	Portable, lightweight, amalgamated thin-film photovoltaic/battery combination
OSD 02-CRO	Mirum Corporation	The Multicultural Leadership Assessment and Training Program (MLAT): Growing skills for leader effectiveness in multicultural and multinational environments